

IN THE CLAIMS

Claims 1-8 (Canceled)

1 ~~9~~. (Original) An extrusion die, comprising a pair of parallel exit slits and a plurality of exit ports located between said pair of parallel exit slits and evenly spaced along a line parallel to said pair of parallel exit slits

2 ~~10~~. (Previously added) The extrusion die of Claim ~~9~~¹, which is adapted for producing a multilayer plastic composite by a method, said composite comprising a sequence of layers of at least two incompatible thermoplastic plastics, A and B, wherein said sequence of layers alternates between A and B, a layer of plastic B is discontinuous at regular intervals to form gaps in said layer of plastic B, and said gaps in said layer of B are filled in with plastic A;

said method comprising coextruding plastic A and plastic B through said die,

wherein said coextruding plastic A and plastic B comprises forming a pair of fluid streams of said plastic A by passing a fluid stream of plastic A through said pair of parallel exit slits and forming a plurality of fluid streams of plastic B with gaps between each stream of said plastic B by passing a fluid stream of plastic B through said plurality of exit ports, so that said fluid streams of said plastic A exit said pair of exit slits and said fluid streams of plastic B exit said plurality of exit ports in such a manner to result in a portion of said fluid streams of said plastic A passing through said gaps between each stream of said plastic B to effect fusion of said pair of fluid streams of said plastic A, to obtain said composite.

3 ~~11~~. (New) The extrusion die of Claim ~~9~~¹, which is adapted for producing a multilayer plastic composite comprising a sequence of layers of at least two incompatible thermoplastic plastics, A and B, wherein said sequence of layers alternates between A and B, a layer of plastic B is discontinuous at regular intervals to form gaps in said layer of plastic B, and said gaps in said layer of B are filled in with plastic A.

4 12. (New) The extrusion die of Claim ~~11~~³, wherein the number of layers of plastic B is less than 3.

5 13. (New) The extrusion die of Claim ~~12~~⁴, wherein the number of layers of plastic B is 1.

6 14. (New) The extrusion die of Claim ~~11~~³, wherein the multilayer plastic composite has a thickness of 0.5 to 25 mm.

7 15. (New) The extrusion die of Claim ~~14~~⁶, wherein the multilayer plastic composite has a thickness of 1 to 20 mm.

8 16. (New) The extrusion die of Claim ~~11~~³, wherein the layers of plastic B each independently has a thickness of 0.1 to 22 mm.

9 17. (New) The extrusion die of Claim ~~16~~⁸, wherein the layers of plastic B each independently has a thickness of 0.2 to 20 mm.

10 18. (New) The extrusion die of Claim ~~11~~³, wherein the gaps in the layers of plastic B are 1 to 100 mm.

11 19. (New) The extrusion die of Claim ~~18~~¹⁰, wherein the gaps in the layers of plastic B are 5 to 50 mm.

12 20. (New) The extrusion die of Claim ~~11~~³, wherein the distance between nearest neighbor gaps in the layers of plastic B are 1 to 50 mm.

13 21. (New) The extrusion die of Claim ~~20~~¹², wherein the distance between nearest neighbor gaps in the layers of plastic B are 2 to 30 mm.